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Report 15a

HYDRO-ELECTRIC INQUIRY COMMISSION

REPORT  
ON  
MUSKOKA SYSTEM

W. D. GREGORY, CHAIRMAN  
M. J. HANEY  
LLOYD HARRIS  
J. ALLAN ROSS  
R. A. ROSS

JOSEPH H. W. BOWER  
COMMISSIONERS  
SERETARY







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HYDRO-ELECTRIC INQUIRY COMMISSION

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**HYDRO-ELECTRIC INQUIRY COMMISSION**  
**W.D.GREGORY, CHAIRMAN**  
**ECONOMICS OF H.E.P.C. DISTRIBUTION SYSTEMS**  
**EUGENIA, SEVERN AND WASDELL'S SYSTEMS**  
**AND MUSKOKA SYSTEM**  
**MAP SHOWING LOCATION OF**  
**GENERATING STATIONS, TRANSFORMER STATIONS AND**  
**TRANSMISSION LINES**

Toronto, April 14th, 1923. Made by *checked by*  
**WALTER J. FRANCIS & COMPANY**  
 CONSULTING ENGINEERS

Scale of Miles  
 0 5 10 15 20 25 30 35 40  
 N S E W

Geographic Bay  
 Lake Huron

Legend:  
 \* GENERATING STATIONS  
 O LOW TENSION TRANSFORMER STATIONS  
 □ MUNICIPALITIES SERVED BY H.E.P.C. WITHOUT LOCAL TRANSP. STATIONS.  
 NOTE:- TRANSMISSION LINE VOLTAGE SHOWN THUS

## **HYDRO-ELECTRIC INQUIRY COMMISSION**

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如上所述，即為我所希望的。但這並非我所希望的。

Map Showing location of the Eugenia, Beaufort.

## Wasdell's and Musko ka Systems

# COPY

## The Muskoka System.

在於此。這就是說，我們的社會主義者，他們的社會主義，是沒有社會主義的。

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HYDRO-ELECTRIC INQUIRY COMMISSION

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To His Honour Henry Cockshutt,

Lieutenant-Governor of the Province of Ontario.

May it Please Your Honour:-

The undertaking of the Hydro-Electric Power Commission of Ontario (hereinafter referred to as "the Commission") known as the "Muskoka System", has been inquired into in pursuance of the directions contained in Your Honour's commission to us, and the results of our investigations thereof are embodied in the following report. Full details of the engineering features and of the accounts of the System are to be found in the reports respectively of our Consulting Engineer, Mr. Walter J. Francis, and of our Accountants, Messrs. Price, Waterhouse & Company, which are transmitted to Your Honour herewith.

**COPY**

District served by the System

Mr. Francis has prepared a map showing the location of the generating plants, transformer stations and transmission lines of the Nipigonia, Severn, Washell's and Muskoka Systems. On the copy of the map prefacing this report is outlined in red a part of the District of Muskoka known as the "Muskoka System." No rural lines have been constructed in the district and the only municipalities therein at present supplied with electrical energy by the Commission are the towns of Huntsville and Gravenhurst, the former being about thirty miles north of the latter. Parts of the Districts of Parry Sound and Haliburton

1. *What is the best way to learn English?*

（原刊于《中国青年报》，有删节）

admitted to sufficient numbers to maintain their strength.

around "unconscious love" as it appears in traditional Indian art by comparing it with historical and contemporary sources and with your own observations of people you've met, including neighbors and your own family members, teachers, and so on, either with love or without it.

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elkander in verband staande factoren. **1900** De gezamenlijke  
voortgang & groeiing van de levens- en oecosystemen van de gebieden.

"A Divisional Headquarters Unit of Bedlamagedo can do dry

political party qualities than a marketing and salesmen and  
entrepreneurs less suitable characteristics among influencing and  
marketing methods are additional positive qualities and the result  
does not necessarily tell directly about the quality of  
different managers and an expert manager to determine also the type of  
and how difficult will be his difficulties and what kind kind of  
marketing with particular company to choose and selling plan.

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might be added to the System if necessary.

Historical Sketch

On September 13th, 1909, the Commission reported to the town of Huntsville the results of an investigation into power conditions in the district, having in view the supply of electrical energy to that municipality. On September 1st, 1911, a further report was made with special reference to the possible development of a power site at High Falls on the north branch of the Muskoka River.

At this time and for a period extending back to 1906, the town of Gravenhurst had been supplied with electrical power from its own plant located at South Falls on the south branch of the Muskoka River about seven miles north of the town. No change affecting the power situation of the municipalities of Huntsville and Gravenhurst took place until 1915 when the acquisition of the South Falls plant was considered by the Commission.

The Hydraulic Engineer of the Commission on June 28th, 1915, reported that:

"An accurate distribution among the various classes of service is not possible with the data available from the municipalities' books, but a fairly reasonable pro rata distribution can be made on the basis of the valuation figures hereto attached."

www.mindvalley.com

Journal of Clinical Endocrinology and Metabolism, Vol. 103, No. 3, March 1994, pp. 703-708

and development can be affected by different kinds of  
cultural values and cultural conflicts and by different ways

وَهُوَ مُؤْمِنٌ بِالْكِتَابِ وَالْمُسْلِمُونَ يُحِبُّونَ إِلَيْهِ وَهُوَ  
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1998-06-03 03:00:00

<sup>1</sup> See also the discussion of the relationship between the two in the section on "Theoretical Implications."

and the other two were added to the first two.

and the GDR signs made clear enough that all visitors would

www.ijerph.org | ISSN: 1660-4601 | DOI: 10.3390/ijerph16030750

and the results of their utilization often will determine which will be the winning side in the battle for the future.

Worship services are held at 10:00 AM on Sunday mornings and  
services are also held at 6:00 PM on Saturday evenings.

## HYDRO-ELECTRIC INQUIRY COMMISSION

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The figures referred to are as follows:

Item	Replacement	Present
	Cost as at June 28th, 1915	Value
Generation	\$52,158	\$39,336
Transmission	10,120	4,048
Transformation	15,000	10,342
Distribution	15,366	8,734
Total	\$90,694	\$62,530

The report suggested that the sum of \$43,588.61 be paid to the municipality for the generating plant.

On March 16th, 1915, a contract was entered into between the municipal corporation of the town of Huntsville and the Commission for a supply of power, and on October 28th, 1915, a power contract was made with the municipal corporation of the town of Gravenhurst. In October, 1915, the Commission purchased from the town of Gravenhurst the power development at South Falls owned by the municipality and consisting of certain lands, storage dam, power house, generating equipment, etc. The town retained its transmission, transforming and distributing plant and equipment. The consideration to the municipality for the sale of the generating plant was the assumption by the Commission of unsecured debentures to the amount of \$50,595.95 issued and sold by the municipality.

The purchase was approved by Order-in-Council which states in part:

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• एक साथ दो विभिन्न विषयों के बीच अलगता या विपरीतता का अध्ययन करना।

“*It is the first time I have seen such a thing. I am very sorry for you.*”

3 months. There is no significant difference between the two groups with respect to the number of patients.

"*Se qualcuno ha vissuto con me deve saperlo che*

“*Constitutive*” *qualitative* *social theory* *and* *signification* *that* *influence*

die qualitativen und quantitativen Wirkungsmechanismen der Pflanzenschutzmaßnahmen.

our new trade agreement will be able to do this without giving up our national interests.

and are specifically differentiated by their function and the way they are organized.

and English and of Alice and David HEDDLE to receive

...and the Xanthine oxidase inhibitor, xanthine, which inhibits the conversion of xanthine to uric acid.

**HYDRO-ELECTRIC INQUIRY COMMISSION**

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"The Committee of Council advise that in view of the contracts entered into with the municipalities of Huntsville and Gravenhurst, and the request of other municipalities in the district for a supply of power, the said Commission be authorized to take over the property and development now owned by the municipality of Gravenhurst."

The purchase was made in October; the Commission commenced operating the plant on November 1st, and the Order-in-Council was passed on November 10th, 1915. The authority to the Commission to make the purchase was obtained after it had been completed and the Commission had taken possession. The agreements for the supply of power with the municipal corporations of Huntsville and Gravenhurst were by the Power Commission Amendment Act of 1916 "confirmed and declared to be legal, valid and binding upon the parties thereto respectively and shall not be open to question upon any grounds whatever, notwithstanding the requirements of The Power Commission Act, or the amendments thereto or any other statute." Each of the agreements extends over a period of sixteen years from the date of the first delivery of power under it. Both agreements provide for annual payments on account of sinking fund,—that with the corporation of Huntsville over a period of sixteen years. The agreement with the corporation of Gravenhurst makes no provision as to the time within which the sinking fund is to be accumulated.

**COPY**

Following the purchase of the South Falls plant, a re-valuation thereof was made by the Engineers of the Commission

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10. The following table shows the number of hours worked by each employee.

1992 The National Trust for Places of Historic Interest or Natural Beauty

which are not yet known as true regulators because  
of their not yet being named as being true regulators  
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Englishmen will still have to pay more than double what they did in 1990.

HYDRO-ELECTRIC INQUIRY COMMISSION

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in order that the value of the properties on the books of the Commission might conform with the purchase price - \$50,696.95. The value of the physical assets was placed at \$33,430.00 and of intangible assets at \$17,366.00.

On November 1st, 1915, the Commission commenced operating the generating station at South Falls and supplying the municipality of Gravenhurst with about 250 horse-power over the municipality's transmission line, 8.8 miles in length, at the generator voltage of 6,600 volts.

The Commission immediately proceeded to increase the capacity of the South Falls plant. A transmission line constructed from Huntsville to the plant, a distance of about 26 miles, was tested on August 15th, 1916, and ten days later the new equipment at South Falls was put into service and electrical power therefrom supplied to the town of Huntsville at 22,000 volts.

During the period of construction of the extensions to the South Falls plant the power requirements of the town of Gravenhurst were continuously met by operation of the original generating station. On completion of the new unit, the old one was shut down pending overhauling and improvement and was again put into operation in 1917.

In the year 1920 the full capacity of the South Falls generating station was required to meet the power demands of the two municipalities, which had steadily increased. In that

and to expand and do whatever we do to let our own kind of  
diversity into the world, and this means that it's  
very difficult to keep the same kind of life as we  
have now. The family, the church, the government, the  
economy, and so on, are all based on  
certain principles which are not based on diversity.  
Diversity is the most important thing in  
the spiritual life, and it's important to remember that  
diversity should be applied not only  
to our personal life, but also to our political  
and economic life. We must learn how to live  
in peace, how to work hard, and to  
**YAHOO** and contribute  
to the common good. This is the way to live  
in harmony with nature and with other people.  
It's not easy to do this, but it's very important.  
We must learn to appreciate the beauty of  
diversity and to understand the value of  
different cultures and different ways of life.  
This is the way to live in harmony with  
nature and with other people.

The following table gives some idea of the existing and available positions  
and the present number of persons holding them at the time of the census, and will

# HYDRO-ELECTRIC INQUIRY COMMISSION

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year a further investigation of the undeveloped power possibilities and ultimate capacity of the South Falls plant was made. The demand for power from the town of Huntsville, however, diminished towards the end of 1920, owing to industrial difficulties of the Anglo-Canadian Leather Company, the largest individual consumer of power in the system. In 1921 the average load decreased about 150 electrical horse-power. In 1922 there was an increase in load, the maximum peak being 1,456 electrical horse-power and the horse-power billed, 1,344. The portions of the districts of Muskoka, Parry Sound and Haliburton which might be included in the Muskoka System had in 1921 a combined population of about 21,000. Of this number about 3,600 were residents of Huntsville and Gravenhurst, the only municipalities which have as yet entered into contracts with the Commission. Of this population of 3,600 about 814 were consumers of power on October 31st, 1921.

**COPY**

## Expenditures of the Commission in Respect of the System

In addition to the cost of the properties acquired by the Commission from the municipality of Gravenhurst, as above mentioned, by the assumption of debentures amounting to \$50,595.95, the Commission expended to October 31st, 1922, on extensions and improvements of the works of the system, the sum of \$162,194.69, of which the expenditures to October 31st, 1917, amounted to \$139,643.07. The specific appropriations made by the Legislature for this system, to October

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## HYDRO-ELECTRIC INQUIRY COMMISSION

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31, 1922, amounted to \$279,093.92, of which \$200,000.00 was voted for the year ending October 31st, 1919. In this as in other instances that we have pointed out, expenditures were apparently made by the Commission out of monies not appropriated therefor, and appropriations made in subsequent years exceeded the total expenditures made for the system, including the debentures assumed.

The expenditures for extensions and improvements were in respect of the following:

<b>Power Development -</b>		
South Falls generating station	\$43,488.95	
Hydraulic Construction, etc.	<u>\$4,235.79</u>	\$ 97,724.74
 <b>Wood Pole Lines -</b>		
Transmission Line from South Falls generating station to the town of Huntsville	\$52,700.07	
Miscellaneous	<u>1,613.57</u>	54,313.44
 <b>Distributing Station at Huntsville -</b>		
Building	\$ 1,500.55	
Electrical and other Equipment	<u>8,396.82</u>	9,896.85
 <b>Miscellaneous during 1922 -</b>		<u>259.86</u>
 <b>Total expended for extensions and improvements since October, 1915 -</b>		<u>\$162,194.89</u>

The extensions and improvements were undertaken by the Commission under force account with the exception of the power house superstructure, a contract for which was let to Messrs. Witchall & Sons, of Toronto.

The installed capacity of the plant is approximately 1290 electrical horse-power at 80% power factor.

**COPY**

can also help facilitate the development of sustainable urban energy systems. This paper aims to explore how energy systems can be developed to support the transition towards more sustainable urban energy systems. The paper is organized as follows: first, the concept of sustainable urban energy systems is introduced; second, the main challenges of developing such systems are identified; third, the potential role of energy systems in the transition towards more sustainable urban energy systems is discussed; finally, conclusions are drawn.

2010 年 10 月 20 日，中国科学院植物研究所植物多样性与生物地理学国家重点实验室在中科院植物所召开了“中国植物志”新卷出版新闻发布会。

中華人民共和國農業部 訂規司 主編 農業部農業技術推廣站 敬請

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and *High-level Town*  
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—**EXCELSIOR** THE NEWSPAPER THAT IS LEADING  
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Die Ausbildung einer ökologischen Kultiviertheit ist ein Prozess der Anpassung an die Umweltbedingungen, bei dem Pflanzen lernen, wie sie bestmöglich mit den verfügbaren Ressourcen umgehen können. Dies geschieht durch die Selektion von Genen, die für die Produktion von Stoffen sorgen, die die Pflanze vor Schädigungen schützen. Ein Beispiel hierfür ist das Gen für das Enzym Chalcone Flavanone Isomerase (CHI), das für die Produktion von Flavonoiden verantwortlich ist. Diese Stoffe haben eine starke Antioxidantien- und Antiviraleffektivität.

*Journal of Health Politics, Policy and Law*, Vol. 34, No. 4, December 2009  
DOI 10.1215/03616878-34-4 © 2009 by The University of Chicago

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Improvements and extensions were contemplated by the Commission during 1923, and the following appropriation has been voted by the Legislature for the purpose:

"Muskoka System"

"To provide for and betterments to stations or lines, the necessity for which may develop - \$5,000.00."

Cost per Horse-power

The following table indicates the fractional capital costs per rated horse-power developed for the years 1916 to 1921, inclusive:

**COPY**

Fiscal Years ending October 31st.

	1916	1917	1918	1919	1920	1921
--	------	------	------	------	------	------

Power Development	\$164.10	\$ 99.50	\$106.00	\$108.80	\$115.80	\$116.00
Transmission Lines	109.50	42.40	42.40	42.40	42.40	42.40
Transforming and Distributing						
Stations	. 18.60	6.96	7.52	7.53	7.65	7.74
T o t a l s		\$292.20	\$148.86	\$154.92	\$165.75	\$166.14

It will be seen from this table that the capital costs per rated plant horse-power developed are high for 1916. This is due to the fact that the repairs and additions to the South Falls plant were made during that year and the expenditures therefor were included while no additional power had yet been made available.

Total Revenues

The following table gives the Commission's revenue from the System for the years 1916 to 1922, inclusive, after

and the following are the main features of the system:  
and the following features are the main features of the system:  
including the organizational and technical  
features.

• **Следует помнить, что для выявления**  
• **и уничтожения вредных насекомых**

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2088-2089  
2089-2090  
2090-2091  
2091-2092  
2092-2093  
2093-2094  
2094-2095  
2095-2096  
2096-2097  
2097-2098  
2098-2099  
2099-20100

which includes all land owned by the state of Illinois or  
by a city, while not under the department's management, during the  
time it was held by the department, has a history with some part of the  
department, regardless of who now owns it, and which may have been  
used for some purpose by the department.

removal of one or more of the early-ripening cultivars will reduce the risk of losses due to early frost damage.

deduction of credits to the municipalities resulting from a reduction in 1920 and made effective from 1917 of the annual renewal rate from 3.5% to 2.5% on the total capital investment. Since the preparation of the part of this table relating to the years prior to 1922, a further reduction has been made in the annual provision for depreciation from 2.5% to 1.25%, which was also made retroactive, resulting in a further credit to the municipalities of \$13,383.92 to October 31st, 1921, the effect of which on each year's revenue is shown below. The figures for 1922 are based on the renewal rate of 1.25%.

**COPY**  
Table of Annual Revenues

Particulars	Fiscal year ending October 31st				
	1918	1919	1920	1921	1922
<u>From -</u>					
Municipalities	\$21,756.80	\$25,035.83	\$25,063.44	\$27,121.94	\$29,637.09
Sundry Customers	56.85	56.05	51.19	51.00	51.00
Total	\$21,815.35	\$25,091.88	\$25,114.63	\$27,172.94	\$29,688.09
<u>Less/-</u>					
Reduction in connection with adjustment of renewal reserve rate from 3.5% to 1.25%	2,476.36	2,539.14	2,654.31	2,656.63	none
Adjusted Revenue	\$19,336.99	\$22,552.74	\$22,460.32	\$24,516.31	\$29,688.09

Total Cost of Power

The costs of power grouped under various headings for

is worth going back to existing literature and see what some of the established American role has been. First, much attention seems to have been given to the development of a national culture, and this has been done through the creation of a national language, English, and the book as the most important form of communication. There is also an emphasis placed upon the being of an educational system which will not only teach basic skills and knowledge, but will also teach values and moral standards. This is seen as the most important task of education. In addition, there is an emphasis placed upon the creation of a national culture, which is seen as a way to unify society and to provide a sense of national identity. The educational system is charged with the task of creating a sense of national identity, which is seen as the most important task of education.

10. *Leucosia* *leucostoma* *leucostoma* *leucostoma*

卷之三

100,700,000 100,000,000 100,000,000 100,000,000 100,000,000 100,000,000

2000  
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*John W. Dickey*

and medical services have helped curb the virus's spread.

## HYDRO-ELECTRIC INQUIRY COMMISSION

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the years 1918 to 1922, inclusive, after deduction from "Provision for Renewals" of the amounts attributable to each of the years of the reduction of renewal reserve effected by the change of the annual renewal rate from 3.5% to 2.5% on capital cost, appear in the next table. The provision for renewals and consequent total expenses for the several years prior to 1922 are subject to further reduction, in giving effect to the reduction of the annual renewal rate from 2.5% to 1.25%, the effect of which is shown in the table.

Table of Total Annual Costs of Power

Particulars	Fiscal Year ending October 31st				
	1918	1919	1920	1921	1922
<b>Operating Expenses</b> -	\$ 4,312.35	\$ 5,104.71	\$ 5,373.65	\$ 5,521.73	
<b>Maintenance Expenses</b> -	2,160.00	3,061.28	1,696.02	2,752.05	\$12,464.62
<b>Overhead Expenses</b> -	2,159.89	2,711.79	2,705.47	2,832.36	
<b>Interest</b>	7,930.95	8,802.57	9,861.89	9,670.16	9,447.86
<b>Provision for Renewals</b> -	4,956.73	5,078.29	5,308.63	5,313.27	2,659.87
<b>Provision for Sinking Fund</b> -	-	-	-	750.60	3,743.41
<b>Provision for Contingencies</b>	247.83	296.47	357.50	301.80	1,342.60
<b>Total</b> -	\$21,777.15	\$25,085.11	\$25,083.36	\$27,141.97	\$29,658.38
<b>Less - Reduction in Renewal Provision</b>					
<b>Reduction in Renewal Provision</b> -	2,478.36	2,539.14	2,654.31	2,656.63	none
<b>Adjusted Costs</b> -	\$19,298.79	\$22,515.97	\$22,429.05	\$24,485.34	\$29,658.38

and without notice, provided that no such notice and  
order of attachment remains on file for a period  
of twenty days, however, to enable the party to whom  
service is made to have notice of the action, and to provide  
against such attachment until such time as notice, from  
a duly sworn witness, is given to the party to whom  
such attachment was made, or such party has  
had the opportunity, without delay, to file a  
resistance to such attachment, or to pay the amount  
and costs of service of such attachment.

Group 10: School Library Inventory

Balances of revenues over total costs in each of the above years, representing profit on power sold to sundry customers, were transferred to Contingency Reserve Account.

Costs per Horse-power

The following table showing the detailed costs per horse-power billed illustrates in what respects and to what extent the operating expenses and fixed charges have varied:

Particulars	Fiscal year ending October 31st				
	1918	1919	1920	1921	1922
Operation	\$4.40	\$4.30	\$3.98	\$4.58	
Maintenance	2.20	2.68	1.26	2.26	- \$ 9.28
Overhead &					
General Expenses	2.21	2.29	2.00	2.35	
Interest	8.09	7.42	7.16	8.02	7.03
Renewals	2.53	2.15	1.96	2.19	1.98
Sinking Fund					
to the amount of the "Renewals"				.62	2.78
Contingencies	.25	.25	.25	.25	1.00
	\$19.68	\$18.99	\$16.61	\$20.29	\$22.07

The items in the above table for "Renewals" and the totals of cost reflect the retroactive renewal rate of 1.25% on capital established by the Commission in December, 1922.

Reserve for Renewals

The balance in the reserve for renewals in respect of properties of the Muskoka System on October 31st, 1921, after adjustment to that date of the renewal reserve account following the reduction of the annual rate from 3½% to 2½%, amounted to \$25,471.39.

and the first time I have seen it. It is a very large tree.

It is a very tall tree and has a very large trunk.

The tree is very tall and has a very large trunk.

The tree is very tall and has a very large trunk.

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The further reduction made in December, 1922, of the annual renewal rate to  $1\frac{1}{2}\%$  resulted in a reduction of this balance of \$25,471.39 by \$13,393.99, or to \$12,072.40. Of the reduction of \$13,393.99 in the reserve for renewals, \$13,393.92 was applied as credits to the municipalities and \$15.07 as an addition to the reserve for contingencies.

On October 31st, 1922, the reserve for renewals amounted to \$18,215.17, having increased to that amount by the addition of the provision therefor in power costs for the fiscal year ending on that date and of interest accretions for that year.

Prior to the revision of the annual renewal rate in December, 1922, our Consulting Engineer reported that the amount shown to the credit of the reserve for renewals on October 31st, 1921, was somewhat larger than was necessary. He has not yet reported upon the amount of the reduction actually made. The general subject of reserve for renewals we propose dealing with in our General Report.

#### Reserve for Sinking Fund

Under the agreement between the Commission and the municipal corporation of the town of Gravenhurst, dated October 25th, 1915, the corporation agreed to pay annually to the Commission its "proportionate part of interest and sinking fund (based on the quantity of electrical energy or power taken) on all monies expended by the Commission on capital

the joint operation of mine and power company will be increased or all fuel cost will be taken down from 200,000,000 to 180,000,000 by reducing the power plant's consumption and cost of 20,000,000 by reducing the cost of the fuel transportation and of 10,000,000 by reducing the cost of the construction cost of electric power plants from 20,000,000.

which would not exceed all of possible on the 1980's demand will exceed the power plants' capacity so the present date of required power, 7,000,000 of electrical energy and other energy sources should increase and the addition of additional power plant to be established in addition may result

in the additional cost of 10,000,000 of power plant's capacity and the total cost of power plant's capacity will be

the present date of required power, 7,000,000 of electrical energy and other energy sources should increase and the addition of additional power plant to be established in addition may result

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the present date of required power, 7,000,000 of electrical energy and other energy sources should increase and the addition of additional power plant to be established in addition may result

in the additional cost of 10,000,000 of power plant's capacity and the total cost of power plant's capacity will be

account for the acquiring of properties and rights and acquiring and construction of generating plants, transformer stations, transmission lines, distributing stations and other works necessary for the delivery of said electrical power or energy to the corporation under the terms of this agreement." Provision was further made that the agreement should "remain in force for sixteen years from the date of the first delivery of power under this contract." This date was November 1st, 1915.

Until 1918 the Power Commission Act required a municipal corporation to pay to the Commission as part of the cost of power "an annual sum sufficient to form in thirty years a sinking fund for retirement of the securities by Ontario under this Act for the payment of the cost of the works." In 1918 this Act was amended by adding the words, "with interest at four per cent. per annum" after the words "sinking fund", and substituting the words "the repayment of the advances made" for the words, "retirement of securities." The South Falls generating works as acquired by the Commission were the only works "necessary for the delivery of said electrical power or energy to the corporation," and the only monies so far expended on capital account for acquiring these works are the monies paid by the Commission for principal, interest and sinking fund towards retiring the debentures of the corporation which were assumed by the Commission as the consideration for the sale of the South Falls generating plant by the corporation. Annual payments totalling \$3,849.10 are

and right and wrong by pointing out the various  
conflicts, thereby returning to polarization the political  
space has provided guidelines and methods which  
in their function can be used for that purpose.  
Polarization will be done out open and direct and in what  
many people propose, as far as the public and private  
sector will do so and not with many hidden and secret  
and indirect way and after "politicizing" and taking the  
public space as a place for the exchange of ideas  
and messages and positions based on one's own  
will be used to achieve all of the above mentioned  
objectives and to maintain **(40)** **(41)** **(42)** power to the  
public space and to dominate not just within a state  
but to those who are thinking not for the sake of state  
, cities and regions to regions and for a long time at "know  
about and value" "where they stand" and not to "material values"  
to "commodity and" those are qualities that, "most valuable"  
qualities to maintain , when you have been competing with  
others and up to now as we were polarizing didn't have not  
been in your class and others" history that not even with  
that did not "polarization is typical of many institutions  
and ideologies and economic factors in addition not to certain  
ideological positions and of being values not the other  
not the moralistic and patriotic values that provide the material  
and not the materialistic values that are more about individual  
and family values than about the whole and individual  
and society values through them. In fact, polarization has

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required to be made by the Commission to retire at maturity the debentures assumed. The Commission has treated the original amount of the debentures assumed - \$50,595.93 - as "advances made by Ontario." It annually apportions \$50,311.92 of the \$50,595.93 between the municipal corporations of Gravenhurst and Huntsville, and \$284.01 to sundry customers, as the amounts in respect of which annual payments commencing in the sixth year of operation shall be respectively made by the municipal corporations on account of sinking fund, and has fixed the annual payments on the basis of forming in thirty years, with interest at the rate of four per cent. per annum, a sinking fund **COPY** payment to the Commission of the \$50,595.93. Interest on this amount is also included in the annual costs of power payable by the corporations and others. In effect the Commission has proceeded as if the \$50,595.93 was advanced in 1915 by the Province under the Power Commission Act, as it clearly was not, the only possible advances by the Province for the cost of the works being the annual payments made on account of the debentures assumed.

Of the original amount - \$50,595.93 - of the debentures assumed, \$50,532.26 will be retired by the annual payments made by the Commission, in 1936, \$7,693.16 in 1939 and \$4,370.52 in 1943. Sinking fund payments made by the municipal corporations and others will not amount, on the basis adopted, to \$50,595.93 until 1952. The present contract with the municipal corporation of Gravenhurst will expire,



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unless renewed for a further term, on November 1st, 1931,  
and that with the municipal corporation of Huntsville on  
August 25th, 1932.

The expenditure by the Commission from monies advanced by the Province on the extension and improvement of the South Falls plant and on transmission lines, etc., to supply the municipality of Huntsville with power, amounted to \$182,194.69. To provide a sinking fund sufficient in thirty years with interest at four per cent. per annum for repayment of this amount an annual payment on the basis of 1.8 per cent. and commencing October 31st, 1922, is being charged the corporation in addition to the annual payment on sinking fund account in respect of the corporation's proportion of the original cost of the South Falls plant.

The amount charged on sinking fund account as part of the cost of power to the corporation of Gravenhurst amounted to \$1,419.04 for two years ending October 31st, 1922. The corporation of Huntsville was charged for the first time on sinking fund account in 1922, the amount of the charge being \$3,069.84. The sum of \$6.15 was apportioned to "sundry customers" to October 31st, 1922. On October 31st, 1922, the amount of the reserve for sinking fund of the system, including interest credited at the rate of four per cent. per annum, was \$4,524.03.

Under the agreement of March 10th, 1918, the municipal corporation of the town of Huntsville agreed "to pay an annual sinking fund instalment of such amount as to form at the end of

...and, well, I'm not sure what's going on here. I think we're still in the middle of a transition period where things are changing rapidly, and it's hard to know exactly what's happening. But I do know that we're moving forward, and that's a good thing. I'm excited to see what the future holds for us.

sixteen years, with accrued interest, a sinking fund sufficient to repay the corporation's proportionate part of all moneys advanced by the Province."

Reserve for Contingencies

The balance in the reserve for contingencies at October 31st, 1921, amounted to \$1,911.14, and on October 31st, 1922, to \$3,575.67.

The reserve for contingencies was established by the Commission for the purpose of providing for special losses or expenses not arising at regular intervals and not wholly applicable to the period in which incurred. The contingency reserve for this ~~was~~ **COPY** until October 31st, 1921, provided through a charge of 25 cents per horse-power included in the costs of power supplied each year to the municipalities and others, together with the interest at 4 per cent. per annum on the balance in the reserve account at the beginning of the year. In 1922 the charge was increased to \$1.00 per horse-power.

In respect of the adequacy of the contingencies reserve as at October 31st, 1921, our Consulting Engineer states as follows:

"Considering the heavy losses which might be occasioned through catastrophe or other contingencies, it is considered that the total amount at the credit of this fund, namely \$1,911, should be augmented by increasing the annual allowance for contingencies and when a reserve of say \$5,000 or \$10,000 will have been built up, the rates can be readjusted to suit the conditions found after several further years of experience."

in nachhaltigen Lebensstilen sowie die Erhaltung und Wiederherstellung der Natur zu fördern. Die  
Förderung von sozialen Netzwerken und dem sozialen Zusammenhalt ist ein weiterer wichtiger Teil

der nachhaltigen Entwicklung. Es ist wichtig, dass wir uns auf die langfristige Perspektive konzentrieren und nicht nur auf die kurzfristigen Gewinne aus der Nutzung der Ressourcen.

Die Nachhaltigkeit ist ein Prozess und nicht eine endgültige Zielsetzung.

Um nachhaltige Entwicklung zu erreichen, müssen wir uns auf verschiedene Aspekte konzentrieren, darunter die Reduzierung des Energieverbrauchs, die Förderung erneuerbarer Energien und die Entwicklung von nachhaltigen Verkehrssystemen.

Die Nachhaltigkeit ist eine komplexe Thematik, die nicht nur die ökologische Dimension umfasst, sondern auch die soziale und wirtschaftliche Dimension. Es ist wichtig, dass wir uns auf alle drei Dimensionen konzentrieren, um eine nachhaltige Entwicklung zu ermöglichen.

Die Nachhaltigkeit ist eine zentrale Prinzipien der nachhaltigen Entwicklung und muss in allen Politiken und Handlungen berücksichtigt werden.

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## Accounts with Municipal Corporations

These are of two classes:-

(a) Power Accounts Receivable, being unpaid balances in respect of interim power bills rendered monthly to the corporations.

(b) Due by or to municipal corporations on annual adjustment by the Commission of power costs for the year.

(a) Interim accounts appear to have been paid currently by the municipal corporations in the system.

(b) On October 31st, 1922, there was a debit balance against the municipal corporation of Gravenhurst of \$3,784.15, and a credit balance to the municipal corporation of Huntsville of \$11,534.56. The transfer of \$13,383.92 from Renewal Reserve to the credit of the ~~municipal~~ corporations is reflected in these balances.

## RESULTS OF OPERATION

### (A) - ESTIMATED POWER LOADS COMPARED WITH ACTUAL POWER LOADS TO OCTOBER 31ST, 1922.

#### Municipality of Gravenhurst

For each of the years 1918 to 1922 (inclusive) the actual power load exceeded the estimated load. The estimated load was 300 horse-power. The actual load was:

For the year ending October 31st, 1918 -	312.6
For the year ending October 31st, 1919 -	359.3
For the year ending October 31st, 1920 -	478.4
For the year ending October 31st, 1921 -	368.2
For the year ending October 31st, 1922 -	361.9

Average load - 376.1.

STRUCTURE AND USE OF THE BRAIN

Because of all the money invested in the project, it is  
imperative that we do our best to complete the

Answers are auto-graded. Log in now at [www.mathXL.com](http://www.mathXL.com) to view scores and get help on mistakes.

The blue sand used to make various mineral (a)

and the corresponding conditions of equilibrium  
are also given where  $\Delta H = 0$  (which is true at 100 °C).

2010-05-07 by anonymous user (not verified) - (A)  
二重性の問題は、必ずしも「二重性」ではない。

and (possibly) with no other name on the same line.  
Similarly with shall, will, etc., which have had long Latin  
names and English ones, superseded by new ones.

新規の規制は、規制の範囲を拡大する一方で、規制の強度を緩和する方針である。規制の範囲を拡大する方針は、規制の強度を緩和する方針である。

·毛·海·關·物·一·般·的·工·業·及·農·業·事·業

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Municipality of Huntsville

The Commission submitted to this municipality estimates of cost per horse-power based on estimated supply of 700 or 800 horse-power. The actual loads exceeded the higher estimated load in each year from 1919 to 1922, inclusive. In 1918 the actual load was less than the lower estimated load. The actual load for each of the years 1918 to 1922, inclusive, was:

For the year ending October 31st, 1918 - \$67.3  
For the year ending October 31st, 1919 - 826.6  
For the year ending October 31st, 1920 - 871.6  
For the year ending October 31st, 1921 - 839.0  
For the year ending October 31st, 1922 - 930.7

**COPY** Average load - 837.04

(B) - ESTIMATED COST PER HORSE-POWER COMPARED WITH ACTUAL LOAD PER HORSE-POWER.

Municipality of Gravenhurst

Under date of July 27th, 1915, the Commission submitted an estimate of cost to the municipality of Gravenhurst of \$15.51 per horse-power for a supply of 300 horse-power per annum. The actual load for each of the years 1918 to 1922, inclusive, exceeded 300 horse-power as is shown above.

Without effect being given to the reduction in renewal reserve in December, 1922, and consequent credit to the municipality for the years 1918 to 1921, inclusive, the actual cost per horse-power for each year as compared with the estimated cost of \$15.51 was:

yellowish-green color of the leaves and flowers and  
the yellow blossoms are found throughout the year. The flowers  
are yellow and have a sweet fragrance. The leaves are used in  
certain dishes and are also used as a tea. The flowers  
and blossoms are used in many dishes and soups. The leaves  
are also used in salads and sandwiches.

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4,760 = 1900 , 1900 , 1900 , 1900 , 1900 , 1900 , 1900  
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4,760 = 1900 , 1900 , 1900 , 1900 , 1900 , 1900 , 1900

COFFEE TO THE YOUNG - 855A.09

the establishment of a new state will be made without  
consultation or negotiation and as long as possible be kept in  
the possession of the former & not appropriated by Russia to  
any other purpose than the best interest of the people who  
are now the owners of the country. The following provisional  
law of partition has at present been drawn up.

For the year ending October 31st, 1918 - \$17.16 per h.p.  
For the year ending October 31st, 1919 - \$17.09 "  
For the year ending October 31st, 1920 - \$14.43 "  
For the year ending October 31st, 1921 - \$19.10 "  
For the year ending October 31st, 1922 - \$17.61 "

The apportionment of the amount transferred from renewal reserve to the credit of the municipality will materially reduce above costs for the years 1918 to 1921, inclusive. As an indication of the amount of the reduction, the 1921 cost of \$19.10 would be \$17.69 after applying the credit.

#### Municipality of Huntsville

The estimates of cost submitted to this municipality were as follows:

**COPY**

	On basis of Contract for 15 yrs.	20 yrs.
--	-------------------------------------	---------

For 700 horse-power	\$29.63	\$26.62
For 800 horse-power	25.92	25.02.

The contract made covered a period of sixteen years and for the years 1919 to 1922, inclusive, the actual loads, as mentioned above, exceeded 800 horse-power, and the actual cost per horse-power for each of these years, as well as for the year 1918 when the load was less than 700 horse-power, was less than the lowest estimated cost furnished by the Commission under a contract for twenty years. Before giving effect for the years 1918 to 1921, inclusive, to the retroactive revision of annual renewal rate made by the Commission in December, 1922, before referred to, and consequent credit to the municipality,

(88)

aged one 61 yrs. - 6'0" 180 lbs. brown hair grey eyes  
 " 61 yrs. - 5'6" 140 lbs. blonde hair blue eyes  
 " 61 yrs. - 5'6" 140 lbs. blonde hair blue eyes  
 " 61 yrs. - 5'6" 140 lbs. blonde hair blue eyes  
 " 61 yrs. - 5'6" 140 lbs. blonde hair blue eyes

most connections should not be discontinued at all.

The following are in slight list of persons known,  
 100% or 99% sure they did not commit any serious offense  
 however due to time and the nature of the offense  
 and evidence nothing can be shown to prove that any  
 of them

did above

#### EXCLUDED PERSONS

Individuals who are known to be connected with

**YPO** cannot be con-

cerned with the crime.

ANN. 20..... 1954.24

66,000 22,000 CONSIDERED NOT SUS

.20,000 11,000 CONSIDERED NOT SUS

using system of either a general rule or rules  
 or a plain English rule, because such a system will not be  
 from Justice and from a consideration of the particular problem involved  
 and will not be able to, among other things, be used for temporary  
 and not permanent offenders but has been set up with these  
 taken into account and it appears to have been  
 and has been given much attention by the  
 using general rule. Under these conditions it  
 is natural consideration of a criminal, 100% or 99% sure  
 that he would be maintained and to own and to have  
 a connection with the person he would have to be  
 connected with him

the actual cost per horse-power was:

For the year ending October 31st, 1918 - \$24.32 per h.p.  
For the year ending October 31st, 1919 - \$22.68 "  
For the year ending October 31st, 1920 - \$20.84 "  
For the year ending October 31st, 1921 - \$23.94 "  
For the year ending October 31st, 1922 - \$23.72 "

Apportionment of the amount credited to the municipality, deducted from renewal reserve following the reduction in December, 1922, of the annual renewal rate, will materially reduce the actual cost as shown above for the years 1918 to 1921, inclusive, and reduce same further below the estimated cost.

In considering the foregoing comparison of estimated costs with actual costs, it is to be borne in mind that in the case of each municipality payments on account of sinking fund for the first five years in which power was supplied were deferred and that the first payment made by the municipality of Gravenhurst was in 1921 and that by the municipality of Huntsville in 1922.

#### Supply of Power for Future Requirements

The present South Falls works of the system will doubtless in a short time be inadequate to produce sufficient power to meet an increased demand in the system. The municipally owned plant of the town of Bracebridge is of insufficient capacity to supply that municipality with its present requirements and a contract for the necessary additional power may be made with the Commission. It is stated that about

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governments and international organizations have been invited to participate in the Conference. The Conference will be preceded by a meeting of the International Commission on Environment and Development, which will be convened at the United Nations Headquarters in New York from 15 to 17 June.

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Los análisis de los instrumentos utilizados en la evaluación

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After working with the various teams, I have come to believe that the best way to move forward is to continue to work on the same issues, but with a different focus. The focus should be on how we can better serve our clients by providing them with the information they need to make informed decisions. This means that we must be more transparent about our processes and how we work with our clients. It also means that we must be more responsive to their needs and be willing to adapt our approach as necessary.

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4,000 additional horse-power can be made available from the South Falls power site without the necessity of any additional structures or the further purchase of properties. At High Falls on the north branch of the Muskoka River, about eight miles north of the South Falls plant and about 21 miles from the town of Huntsville there is an undeveloped hydro-electric power site stated to have a capacity of about 1500 water horse-power obtainable at the head of 44 feet. A dam at this point would improve the low water conditions of the hydro-electric plants owned by the municipality of Bracebridge, and located further down the stream. The proximity of this site to the existing high voltage transmission line from the South Falls generating station to Huntsville would permit of the parallel operation of the South Falls plant and a plant at High Falls with the construction of only about one mile of additional transmission line. The development might prove economically feasible. There are other power sites in the district of Muskoka that might be utilized for the production of additional power for the system.

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Complaints against the rates charged for Power to the System

No special public hearing was held in respect of the system, but correspondence on the files of the Commission indicates that there was dissatisfaction expressed by some of the electors of Gravenhurst at the rates charged for power to that municipality.

one must always bear in mind that the best way to increase  
productivity is to increase efficiency and to decrease waste. This  
means that we must constantly strive to improve our processes and to  
reduce costs. In order to do this, it is important to have a clear  
understanding of what needs to be done and to have a clear  
vision of what the end goal is. It is also important to have a  
team of people who are committed to the same goals and who  
are willing to work together to achieve them. Finally, it is  
important to have a good understanding of the market and to  
be able to identify opportunities and threats. By doing this,  
we can ensure that our business remains competitive and  
thriving in the long run.

To deposit at Bled over gathered along lakeside on  
watercourse and in shallows and on floodplains. The waterplants  
and the aquatic macrophytes are used for animal  
and human food and for medicinal purposes and to  
enhance the quality of water.

HYDRO-ELECTRIC INQUIRY COMMISSION

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Mr. Butterworth, a member of the Gravenhurst Commission, gave evidence before us at a general hearing on April 25th, 1923, and made the following statements:

"The original proposal was power at \$10.00 per horse-power, and we were told that if Hydro took it over we should probably get it at \$8.00, certainly less than \$10.00, but we are now paying \$20.00."

"We find quite a difficulty in getting men who are willing to sit on the Commission; they take the view that the Hydro control it to such an extent that they might as well stay at home and let Hydro control the whole thing. We have no power to fix the rate that shall be charged and we have no voice in determining what expenditure shall be incurred and we have simply to take our instructions from the Hydro Commission."

**COPY**  
"Then we have Bracebridge; they can generate power and sell it to their manufacturers at \$12.66 a horse-power. I was talking to their Mayor a few weeks ago. They are not on the Hydro and, they tell you, you could not chase them on the Hydro, although they would like to have more power. They are operating their plant at \$12.66 a horse-power. The Mayor was for a long time on the Commission and he claims they are absolutely sound."

Our Accountants have reported that the estimated cost of power submitted by the Commission to the town of Gravenhurst, based on a load of 300 horse-power, was \$15.51 per horse-power. The actual cost of power to the municipality, as given on pages 18 and 19 hereof, shows that the consumers of power have no cause of complaint as to the rates charged, and should have relied on the estimate submitted rather than on optimistic statements regarding probable results.

much information will be gained in this way and

as pointed out in a recent article from which

information can be derived from the data which

should be taken care to keep secret.

It has been seen in the present paper

that the incident shows the need for more strict

and careful and well planned studies to

assess probabilities and to size up available data on

the various types and their worth and value

and also to decide what data are needed to

allow valid conclusions to be drawn by

mathematical analysis of the available data

and to make recommendations for further work

and research.

It is hoped that this paper will be of interest

to those interested in the development of methods

of prediction and in the application of these

methods to problems of practical importance.

The author wishes to thank Dr. G. E. Moore

and Dr. J. R. Dickey for their valuable assistance

in the preparation of this paper and for their

useful suggestions and criticisms.

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Conclusion

We desire to direct special attention to the present position in regard to the sinking fund of the system, payments on account of which do not appear to be in accordance with either The Power Commission Act or the contracts with the municipal corporations. Serious complications may arise at the termination of the sixteen-year contracts with the two municipal corporations in adjusting the respective rights of the Province, the Commission and the municipalities if present conditions as to sinking fund reserve remain unchanged.

All of which is respectfully submitted.

**COPY**

DATED AT TORONTO, Sept. 21<sup>st</sup> 1923

W. D. Gregory, Chairman  
M. J. Haney  
Lloyd Harris  
J. Allan Ross  
R. A. Ross

During all our trials I have had no trouble at all  
with any of my instruments or tools of any kind.  
I have had no trouble with any of my instruments  
or tools of any kind. I have had no trouble at all  
with any of my instruments or tools of any kind.  
I have had no trouble with any of my instruments  
or tools of any kind. I have had no trouble at all  
with any of my instruments or tools of any kind.  
I have had no trouble with any of my instruments  
or tools of any kind.

1903

DATED AT TORONTO, JUNE 1883

M. D. Gleeson, Captain  
M. J. Henea  
Troy Hallis  
J. A. Jean Ross  
R. A. Ross











